

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous listings.

1. (Cancelled).
2. (Currently Amended) ~~The data transmission system of claim 1~~ A data transmission system for linking multiple exercise facilities at a first location, comprising:  
at least one exercise facility which has a measurement device mounted thereon for capturing data; and  
a transmission circuit having one end connecting to the exercise facility and other end connecting to a microprocessor for processing data and output reference values of users;  
wherein the transmission circuit connects the exercise facility and the microprocessor to transmit exercise data in a two-way manner to record and track detailed data results of every exercise performed by users during a time period;  
wherein the microprocessor transmits the exercise data through Internet to another microprocessor at another location.
3. (Currently Amended) ~~The data transmission system of claim 1,~~ A data transmission system for linking multiple exercise facilities at a first location, comprising:  
at least one exercise facility which has a measurement device mounted thereon for capturing data; and  
a transmission circuit having one end connecting to the exercise facility and other end connecting to a microprocessor to process data and output reference values of users;  
wherein the transmission circuit connects the exercise facility and the microprocessor to transmit exercise data in a two-way manner to record and track detailed data results of every exercise performed by users during a time period;  
wherein the microprocessor transmits the exercise data through a disk to another microprocessor at another location.

4. (Currently Amended) A data transmission system for linking multiple exercise facilities, comprising:

at least one exercise facility which has a data reader for reading user data after an exercise is finished including a slot; and

a storage device housed in the slot of the data reader for reading data stored in the data reader;

a microprocessor connected to said storage device for processing data and outputting reference values of users;

wherein the storage device has at least one preset memory buffer which forms storage segments according to properties of different exercise facilities.

5. (New) The data transmission system of claim 4, wherein the properties of different exercise facilities include at least one of speed buffer, distance buffer, time buffer, lifting time buffer and pound buffer.

6. (New) The data transmission system of claim 4, wherein the data reader is a display instrument mounted on a handle of the exercise facility.

7. (New) The data transmission system of claim 4, wherein the data reader is a detection element on a weight of the exercise facility.